

Reines and Cowan experiment

Pauli bet a case of champagne that nobody would ever detect a neutrino. In 1956, Clyde Cowan and Fred Reines detected antineutrinos emitted from a nuclear reactor at Savannah River in South Carolina, USA. Pauli kept his promise.

”Detection of the Free Neutrino: A Confirmation”, C.L. Cowan, Jr., F. Reines, F.B. Harrison, H.W. Kruse and A.D. McGuire, Science 124, 103 (1956).